

UNIVAL™ DMDA-6320 NT 7

High Density Polyethylene Resin

The Dow Chemical Company

Message:

UNIVAL™ DMDA-6320 NT 7 High Density Polyethylene (HDPE) Resin is a multipurpose polymer designed for the high speed production of blow molded containers used to package household industrial chemicals (e.g., detergents, bleach, fabric softeners), toiletries and cosmetics (e.g., shampoos, creams, lotions, etc.), health and medicinal aids, and food products. In addition, it can be blow molded into other thin walled parts and houseware items and can be extruded into profiles.

Excellent stress-crack resistance and rigidity

High impact strength

Low swell

Good melt strength

Contains antistat

Complies with:

Canadian HPFB No Objection (with limitations)

EU, No 10/2011

U.S. FDA 21 CFR 177.1520 (c) 3.2a

U.S. FDA -DMF

Consult the regulations for complete details.

General Information			
Agency Ratings	DMF not rated		
	FDA 21 CFR 177.1520(c) 3.2a		
	HPFB (Canada) No Objection 2		
	Europe No 10/2011		
Forms	Particle		
Processing Method	Blow molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.953	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/2.16 kg	0.46	g/10 min	ASTM D1238
190°C/21.6 kg	39	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (50°C, 100% Igepal, F50)	40.0	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	64		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	25.5	MPa	ASTM D638
Fracture	33.8	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	8.0	%	ASTM D638
Fracture	1000	%	ASTM D638
Flexural Modulus - 2% Secant	1010	MPa	ASTM D790B

Impact	Nominal Value	Unit	Test Method
Tensile Impact Strength ¹	168	kJ/m ²	ASTM D1822
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	70.0	°C	ASTM D648
Brittleness Temperature	< -76.1	°C	ASTM D746
Vicat Softening Temperature	128	°C	ASTM D1525
Melting Temperature (DSC)	131	°C	Internal method
Peak Crystallization Temperature (DSC)	118	°C	Internal method
Additional Information			
根据 ASTM D 4976 进行基板模制和测试.			
NOTE			

1. Type s

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